



OIEP

ENTERED

RAW SEQUENCE LISTING

DATE: 06/17/2002

PATENT APPLICATION: US/10/081,170

TIME: 12:48:12

Input Set : A:\800029US1.txt

Output Set: N:\CRF3\06172002\J081170.raw

4 <110> APPLICANT: Kawaoka, Yoshihiro
5 Jasenosky, Luke D.
7 <120> TITLE OF INVENTION: Methods to Identify Mutant Cells with Altered Sialic Acid
9 <130> FILE REFERENCE: 800.029US1
11 <140> CURRENT APPLICATION NUMBER: US 10/081,170
C--> 12 <141> CURRENT FILING DATE: 2002-06-10
14 <150> PRIOR APPLICATION NUMBER: US 60/271,044
15 <151> PRIOR FILING DATE: 2001-02-23
17 <160> NUMBER OF SEQ ID NOS: 6
19 <170> SOFTWARE: FastSEQ for Windows Version 4.0
21 <210> SEQ ID NO: 1
22 <211> LENGTH: 24
23 <212> TYPE: DNA
24 <213> ORGANISM: Influenza A virus
26 <400> SEQUENCE: 1
27 tggctcgttt ctctcactat tgcc 24
29 <210> SEQ ID NO: 2
30 <211> LENGTH: 26
31 <212> TYPE: DNA
32 <213> ORGANISM: Influenza A virus
34 <400> SEQUENCE: 2
35 ttatataggc atgagattga tgtccg 26
37 <210> SEQ ID NO: 3
38 <211> LENGTH: 37
39 <212> TYPE: DNA
40 <213> ORGANISM: Influenza A virus
42 <400> SEQUENCE: 3
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45 <210> SEQ ID NO: 4
46 <211> LENGTH: 34
47 <212> TYPE: DNA
48 <213> ORGANISM: Influenza A virus
50 <400> SEQUENCE: 4
51 agtagaaaca aggggtgtttt taattaatgc actc 34
53 <210> SEQ ID NO: 5
54 <211> LENGTH: 376
55 <212> TYPE: DNA
56 <213> ORGANISM: Artificial Sequence
58 <220> FEATURE:
59 <223> OTHER INFORMATION: Influenza A virus mutant
61 <400> SEQUENCE: 5
62 atgaatccaa atcaaaagat aataacaatt ggctctgttt ctctcactat tgccacaata 60
63 tgcttcctta tgcaaatgc catcctggta actactgtaa cattgcattt caagcaacat 120

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64 gagtgcaact ccccccaaaa caaccaagta atgctgtgtg aaccaacaat aatagaaaga      180
65 aacataacag agatagtgtg ttgaaggcaa aagctgcatc aatcgggtgct tttatgtgga      240
66 gttgataagg ggaaggaaac aggaaactga agtctggtgg acctcaaaca gtattgttgt      300
67 gttttgtggc acctcaggta catatggaac aggctcatgg cctgatgggg cggacatcaa      360
68 tctcatgcct atataa                                     376
70 <210> SEQ ID NO: 6
71 <211> LENGTH: 346
72 <212> TYPE: DNA
73 <213> ORGANISM: Artificial Sequence
75 <220> FEATURE:
76 <223> OTHER INFORMATION: Influenza A virus mutant
78 <400> SEQUENCE: 6
79 atgaatccaa atcaaaagat aataacaatt ggctctgttt ctctcactat tgccacaata      60
80 tgcttcctta tgcaaattgc catcctggta actactgtaa cattgcattt taaataggca      120
81 agtcatagtt gacagaggta atagatccgg ttattctggt attttctctg ttgaaggcaa      180
82 aagctgcatc aatcgggtgct tttatgtgga gttgataagg ggaaggaaac aggaaactga      240
83 agtctggtgg acctcaaaca gtattgttgt gttttgtggc acctcaggta catatggaac      300
84 aggctcatgg cctgatgggg cggacatcaa tctcatgcct atataa                     346

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VERIFICATION SUMMARY

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L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date